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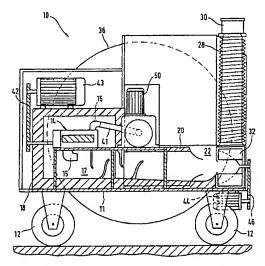
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(54) Title: DEVICE FOR SUPPLYING PRECONDITIONED AIR TO AN AIRCRAFT ON THE GROUND



(57) Abstract: A device (10) for supplying preconditioned air to an aircraft on the ground, comprises a compressed air inlet (16) and a compressed air hose (34) having a first end connected to the compressed air inlet (16) and an opposite second end for connection to a remote, ground-based, compressed air unit. Expander means (14) are situated downstream of the compressed air inlet (16) for allowing the compressed air to expand to lower pressure and temperature. The device (10) further includes an ambient air inlet (24) and a mixing chamber (22) downstream of the expander means (14) and communicating with the ambient air inlet (24), wherein mixing of ambient air with the expanded, cold air is controlled in such a way as to elaborate preconditioned air at the desired temperature. A connection hose (28) has a first end in communication with said mixing chamber and a second end to be connected to an aircraft on the ground.